

# Other Tobacco Product Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



USCENSUSBUREAU

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



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-- Not applicable for this report.

# Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry and year <sup>1</sup>                       | Com-<br>panies <sup>2</sup> | All<br>estab-<br>lish-<br>ments <sup>3</sup> | All employees       |                      | Production workers  |                  |                    | Value<br>added<br>(\$1,000) | Total<br>cost of<br>materials<br>(\$1,000) | Total<br>value of<br>shipments<br>(\$1,000) | Total capital<br>expendi-<br>tures<br>(\$1,000) |        |
|--|-----------------------------|--|---------------------|----------------------|---------------------|------------------|--------------------|-----------------------------|--|---|---|--------|
|  |                             |  | Number <sup>4</sup> | Payroll<br>(\$1,000) | Number <sup>4</sup> | Hours<br>(1,000) | Wages<br>(\$1,000) |                             |  |   |   |        |
| 312229, Other tobacco product<br>manufacturing ..... | 2002..                      | 70   | 83                  | 6 649                | 260 583             | 4 934            | 9 993              | 156 842                     | 2 807 932                                  | 824 363                                     | 3 628 313                                       | 64 621 |
|  | 2001..                      | N  | N                   | 7 288                | 263 650             | 5 550            | 10 409             | 165 838                     | 2 534 287                                  | 1 034 777                                   | 3 569 581                                       | 50 651 |
|  | 2000..                      | N  | N                   | 6 934                | 257 549             | 5 284            | 9 687              | 165 712                     | 2 343 184                                  | 977 219                                     | 3 320 664                                       | 61 939 |
|  | 1999..                      | N  | N                   | 6 025                | 196 441             | 4 603            | 8 972              | 129 386                     | 2 412 406                                  | 691 173                                     | 3 103 052                                       | 61 864 |
|  | 1998..                      | N  | N                   | 7 726                | 239 375             | 5 989            | 11 962             | 159 834                     | 2 766 895                                  | 848 133                                     | 3 609 979                                       | 40 254 |
|  | 1997..                      | 56   | 68                  | 7 337                | 236 964             | 5 755            | 11 565             | 157 751                     | 2 732 521                                  | 833 727                                     | 3 559 150                                       | 69 245 |

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. **Industry Statistics for Selected States: 2002**

[Not applicable for this report]

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Item   | Value               |
|--|---------------------|
| <b>312229, Other tobacco product manufacturing</b>   |                     |
| Companies <sup>1</sup> .....   | number.. 70         |
| All establishments <sup>2</sup> .....  | number.. 83         |
| Establishments with 1 to 19 employees .....  | number.. 47         |
| Establishments with 20 to 99 employees .....   | number.. 20         |
| Establishments with 100 employees or more .....  | number.. 16         |
| All employees <sup>3</sup> .....   | number.. 6 649      |
| Total compensation .....   | \$1,000.. 356 214   |
| Annual payroll .....   | \$1,000.. 260 583   |
| Total fringe benefits .....  | \$1,000.. 95 631    |
| Production workers, average for year .....   | number.. 4 934      |
| Production workers on March 12 .....   | number.. 4 973      |
| Production workers on May 12 .....   | number.. 4 933      |
| Production workers on August 12 .....  | number.. 4 700      |
| Production workers on November 12 .....  | number.. 5 123      |
| Production worker hours .....  | 1,000.. 9 993       |
| Production worker wages .....  | \$1,000.. 156 842   |
| Total cost of materials .....  | \$1,000.. 824 363   |
| Materials, parts, containers, packaging, etc., used .....                                  | \$1,000.. 705 435   |
| Resales .....  | \$1,000.. 90 626    |
| Purchased fuels .....  | \$1,000.. 10 287    |
| Purchased electricity .....  | \$1,000.. 13 922    |
| Contract work .....  | \$1,000.. 4 093     |
| Quantity of electricity purchased for heat and power .....                                 | 1,000 kWh.. 327 057 |
| Quantity of electricity generated less sold for heat and power .....                       | 1,000 kWh.. 64 212  |
| Total value of shipments .....   | \$1,000.. 3 628 313 |
| Primary products value of shipments .....  | \$1,000.. 3 451 877 |
| Secondary products value of shipments .....  | \$1,000.. D         |
| Total miscellaneous receipts .....   | \$1,000.. D         |
| Value of resales .....   | \$1,000.. 121 556   |
| Contract receipts .....  | \$1,000.. D         |
| Other miscellaneous receipts .....   | \$1,000.. D         |
| Primary products specialization ratio .....  | percent.. D         |
| Value of primary products shipments made in all industries .....                           | \$1,000.. 3 985 134 |
| Value of primary products shipments made in this industry .....                            | \$1,000.. 3 451 877 |
| Value of primary products shipments made in other industries .....                         | \$1,000.. 533 257   |
| Coverage ratio .....   | percent.. 87        |
| Value added .....  | \$1,000.. 2 807 932 |
| Total inventories, beginning of year .....   | \$1,000.. 550 053   |
| Finished goods inventories .....   | \$1,000.. 62 458    |
| Work-in-process inventories .....  | \$1,000.. 32 489    |
| Materials and supplies inventories .....   | \$1,000.. 455 106   |
| Total inventories, end of year .....   | \$1,000.. 548 610   |
| Finished goods inventories .....   | \$1,000.. 60 451    |
| Work-in-process inventories .....  | \$1,000.. 36 471    |
| Materials and supplies inventories .....   | \$1,000.. 451 688   |
| Gross value of depreciable assets (acquisition costs) at beginning of year .....           | \$1,000.. 1 133 466 |
| Total capital expenditures (new and used) .....  | \$1,000.. 64 621    |
| Buildings and other structures (new and used) .....  | \$1,000.. 10 151    |
| Machinery and equipment (new and used) .....   | \$1,000.. 54 470    |
| Automobiles, trucks, etc., for highway use .....   | \$1,000.. 701       |
| Computers and peripheral data processing equipment .....                                   | \$1,000.. 2 933     |
| All other expenditures for machinery and equipment .....                                   | \$1,000.. 50 836    |
| Total retirements .....  | \$1,000.. 26 846    |
| Gross value of depreciable assets at end of year .....                                     | \$1,000.. 1 171 241 |
| Depreciation charges during year .....   | \$1,000.. 51 127    |
| Total rental payments .....  | \$1,000.. 6 634     |
| Buildings and other structures .....   | \$1,000.. 3 083     |
| Machinery and equipment .....  | \$1,000.. 3 551     |
| Total other expenses <sup>4</sup> .....  | \$1,000.. 348 001   |
| Response coverage ratio <sup>5</sup> .....   | percent.. 100       |
| Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....           | \$1,000.. 24 509    |
| Communications services <sup>4</sup> .....   | \$1,000.. 3 890     |
| Legal services <sup>4</sup> .....  | \$1,000.. 5 186     |
| Accounting, auditing, and bookkeeping services <sup>4</sup> .....                          | \$1,000.. 334       |
| Advertising and promotional services <sup>4</sup> .....                                    | \$1,000.. 6 497     |
| Expensed computer hardware and supplies and purchased computer services <sup>4</sup> ..... | \$1,000.. 1 672     |
| Refuse removal (including hazardous waste) services <sup>4</sup> .....                     | \$1,000.. 2 539     |
| Management consulting and administrative services <sup>4</sup> .....                       | \$1,000.. 22 038    |
| Taxes and license fees <sup>4</sup> .....  | \$1,000.. 5 417     |
| All other expenses <sup>4</sup> .....  | \$1,000.. 275 920   |

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Employment size class                       | E <sup>1</sup> | All establishments <sup>2</sup> | All employees       |                   | Production workers  |               |                 | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|---|----------------|---------------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
|   |                |                                 | Number <sup>3</sup> | Payroll (\$1,000) | Number <sup>3</sup> | Hours (1,000) | Wages (\$1,000) |                       |                                   |                                    |                                      |
| 312229, Other tobacco product manufacturing |                |                                 |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| All establishments .....                    | —              | 83                              | 6 649               | 260 583           | 4 934               | 9 993         | 156 842         | 2 807 932             | 824 363                           | 3 628 313                          | 64 621                               |
| Establishments with—                        |                |                                 |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| 1 to 4 employees .....                      | 9              | 38                              | 64                  | 1 957             | 49                  | 87            | 1 184           | 11 900                | 1 136                             | 13 036                             | 756                                  |
| 5 to 9 employees .....                      | 9              | 5                               | 29                  | 1 070             | 24                  | 48            | 679             | 6 949                 | 771                               | 7 720                              | 514                                  |
| 10 to 19 employees .....                    | 8              | 4                               | 61                  | 2 062             | 44                  | 91            | 1 258           | 13 787                | 1 456                             | 15 223                             | 824                                  |
| 20 to 49 employees .....                    | 3              | 13                              | 431                 | 11 927            | 345                 | 660           | 8 338           | 87 326                | 63 638                            | 149 947                            | 4 824                                |
| 50 to 99 employees .....                    | 3              | 7                               | 506                 | 13 452            | 369                 | 617           | 8 281           | 81 730                | 38 769                            | 120 401                            | 3 621                                |
| 100 to 249 employees .....                  | —              | 5                               | 789                 | 31 136            | 533                 | 1 062         | 14 981          | 176 863               | 148 220                           | 321 405                            | 3 417                                |
| 250 to 499 employees .....                  | —              | 9                               | 3 194               | 134 509           | 2 305               | 5 006         | 80 856          | 1 973 724             | 485 639                           | 2 460 257                          | 36 377                               |
| 500 to 999 employees .....                  | —              | 1                               | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 1,000 to 2,499 employees .....              | —              | 1                               | g                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 2,500 employees or more .....               | —              | —                               | —                   | —                 | —                   | —             | —               | —                     | —                                 | —                                  | —                                    |
| Administrative records <sup>4</sup> .....   | 9              | 35                              | 81                  | 2 625             | 64                  | 115           | 1 613           | 16 748                | 1 672                             | 18 420                             | 1 115                                |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry or product class code | Industry or primary product class                             | All establishments <sup>1</sup> | All employees       |                   | Production workers  |               |                 | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|--------------------------------|---|---------------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
|                                |   |                                 | Number <sup>2</sup> | Payroll (\$1,000) | Number <sup>2</sup> | Hours (1,000) | Wages (\$1,000) |                       |                                   |                                    |                                      |
| 312229                         | Other tobacco product manufacturing .                         | 83                              | 6 649               | 260 583           | 4 934               | 9 993         | 156 842         | 2 807 932             | 824 363                           | 3 628 313                          | 64 621                               |
| 3122291                        | Cigars .....  | 11                              | h                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 3122294                        | Chewing and smoking tobacco .....                             | 18                              | 2 573               | 104 269           | 1 720               | 3 615         | 55 350          | 1 965 195             | 547 381                           | 2 508 019                          | 31 111                               |
| 3122297                        | Reconstituted tobacco (processed sheet and homogenized) ..... | 1                               | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Product code | Product   | Number of companies with shipments of \$100,000 or more | Quantity of production for all purposes | Product shipments |                        |
|--------------|---|---|---|-------------------|------------------------|
|              |   |   |   | Quantity          | Value (\$1,000)        |
| 312229       | Other tobacco product manufacturing .....   | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 3 985 134<br>3 985 043 |
| 3122291      | Cigars .....  | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 793 560<br>D           |
| 31222911     | Cigars .....  | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 793 560<br>D           |
| 3122291111   | Little cigars, cigarette-size, weighing less than 3 lb per 1,000 cigars .....                 | millions.. 2002.. 4<br>1997.. 8                         | X<br>X                                  | 3 402.2<br>D      | 318 726<br>D           |
| 3122291121   | Cigarillos weighing 3 to 10 lb per 1,000 cigars .....   | millions.. 2002.. 3<br>1997.. 14                        | X<br>X                                  | D<br>D            | D<br>D                 |
| 3122291131   | Cigars weighing more than 10 lb per 1,000 cigars .....  | millions.. 2002.. 10<br>1997.. 19                       | X<br>X                                  | D<br>3 311.3      | D<br>593 902           |
| 3122291Y     | Cigars, nsk. ....   | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | —<br>—                 |
| 3122291YVV   | Cigars, nsk. ....   | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | —<br>—                 |
| 3122294      | Chewing and smoking tobacco .....   | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 2 462 842<br>2 225 631 |
| 31222941     | Smoking tobacco .....   | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 222 356<br>366 480     |
| 3122294111   | Smoking tobacco .....   | mil lb.. 2002.. 10<br>1997.. 13                         | X<br>X                                  | 43.8<br>75.9      | 222 356<br>366 480     |
| 31222942     | Looseleaf chewing tobacco, snuff, and all chewing tobacco .....                               | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 2 240 486<br>1 859 151 |
| 3122294221   | Looseleaf chewing tobacco .....   | mil lb.. 2002.. 6<br>1997.. 6                           | X<br>X                                  | D<br>D            | D<br>D                 |
| 3122294231   | Snuff, dry and moist .....  | mil lb.. 2002.. 5<br>1997.. 6                           | X<br>X                                  | D<br>D            | D<br>D                 |
| 3122294241   | All other chewing tobacco, including fine cut chewing, twist chewing, plug chewing, etc. .... | mil lb.. 2002.. 3<br>1997.. 5                           | X<br>X                                  | S<br>15.7         | 32 123<br>144 398      |
| 3122294Y     | Chewing and smoking tobacco, nsk .....  | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | —<br>—                 |
| 3122294YVV   | Chewing and smoking tobacco, nsk .....  | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | —<br>—                 |
| 3122297      | Reconstituted tobacco (processed sheet and homogenized) .....                                 | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | D<br>D                 |
| 31222971     | Reconstituted tobacco (processed sheet and homogenized) .....                                 | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | D<br>D                 |
| 3122297100   | Reconstituted tobacco (processed sheet and homogenized) .....                                 | mil lb.. 2002.. 4<br>1997.. 4                           | X<br>X                                  | D<br>D            | D<br>D                 |
| 312229W      | Other tobacco product manufacturing, nsk, total .....   | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 119 389<br>3 972       |
| 312229WY     | Other tobacco product manufacturing, nsk, total .....   | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 119 389<br>3 972       |
| 312229WYWW   | Other tobacco product manufacturing, nsk, for nonadministrative-record establishments .....   | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 101 606<br>1 867       |
| 312229WYVY   | Other tobacco product manufacturing, nsk, for administrative-record establishments .....      | 2002.. N<br>1997.. N                                    | X<br>X                                  | X<br>X            | 17 783<br>2 105        |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| NAICS product class code | Product class and geographic area                       | Value of product shipments (\$1,000) |
|--------------------------|---|--------------------------------------|
| 3122291                  | Cigars  |                                      |
|                          | United States..... 2002..                               | 793 560                              |
|                          | 1997..  | D                                    |
| 3122294                  | Chewing and smoking tobacco                             |                                      |
|                          | United States..... 2002..                               | 2 462 842                            |
|                          | 1997..  | 2 225 631                            |
| 3122297                  | Reconstituted tobacco (processed sheet and homogenized) |                                      |
|                          | United States..... 2002..                               | D                                    |
|                          | 1997..  | D                                    |

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Material code | Material consumed   | Quantity | Delivered cost (\$1,000) |
|---------------|---|----------|--------------------------|
| 312229        | Other tobacco product manufacturing   |          |                          |
| 00900001      | Total materials .....   | X        | 705 435                  |
| 11191000      | Leaf tobacco, unstemmed (including green tobacco not packed) ..... mil lb .....     | X        | 788 118                  |
| 31220000      | Unstemmed leaf tobacco, redried and packed ..... mil lb .....                       | D        | D                        |
|               | 1997 ..   | 39.0     | 60 803                   |
|               | 2002 ..   | 54.4     | 128 578                  |
|               | 1997 ..   | 91.7     | 183 544                  |
| 31221000      | Stemmed leaf tobacco (excluding processed sheet and homogenized) ..... mil lb ..... | 143.2    | 150 714                  |
| 31222903      | Reconstituted tobacco, processed sheet and homogenized ..... mil lb .....           | 107.7    | 189 923                  |
| 32221001      | Paperboard containers, boxes, and corrugated paperboard ..... mil lb .....          | D        | D                        |
|               | 1997 ..   | 45.5     | 57 613                   |
|               | 2002 ..   | X        | 65 807                   |
|               | 1997 ..   | X        | 33 023                   |
| 32520003      | Manmade fibers, staple, and tow .....   | X        | 7 087                    |
| 00970099      | All other materials and components, parts, containers, and supplies .....           | X        | D                        |
| 00971000      | Materials, ingredients, containers, and supplies, nsk .....                         | X        | 181 423                  |
|               | 1997 ..   | X        | 245 358                  |
|               | 2002 ..   | X        | 16 107                   |
|               | 1997 ..   | X        | 9 340                    |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.